

In the Claims

1. (Original) Seed of bentgrass plant designated ASR-368, having representative seed of said bentgrass plant having been deposited under ATCC Accession No. PTA-4816.
2. (Original) A bentgrass plant ASR-368 or parts thereof produced by growing the seed of claim 1.
3. (Original) The bentgrass plant ASR-368 or parts thereof of claim 2, comprising pollen, ovule, seed, roots, or leaves.
4. (Currently amended) The bentgrass plant ASR-368 of claim 2 ~~further comprising or~~ event ASR-368 progeny thereof.
5. (Original) The bentgrass plant ASR-368 of claim 4, wherein the genome of said bentgrass plant or progeny thereof comprises a DNA molecule selected from the group consisting of SEQ ID NO:1, SEQ ID NO:2, SEQ ID NO:3, and SEQ ID NO:4.
6. (Currently amended) The bentgrass plant ~~ASR-368~~ or progeny thereof of claim 5, wherein said bentgrass plant or said progeny is tolerant to glyphosate.
7. (Currently amended) The bentgrass plant ~~ASR-368~~ or progeny thereof of claim 5, wherein said DNA molecule is isolated from the genome of said bentgrass plant ASR-368 or said progeny thereof.
8. (Currently amended) The bentgrass plant ~~ASR-368~~ or progeny thereof of claim 6 ~~comprising~~ when used as a turfgrass stand.
9. (Currently amended) The bentgrass plant ~~ASR-368~~ or progeny thereof of claim 8, wherein said turfgrass is used as a golf course.

10. (Currently amended) The bentgrass plant ~~ASR-368~~ or progeny thereof of claim 9, wherein said golf course comprises greens, tees, or fairways.
11. (Original) A bentgrass plant or seed, the genome of which produces an amplicon diagnostic for bentgrass plant ASR-368 when tested in a DNA amplification method that produces said amplicon from DNA extracted from said bentgrass plant or seed, wherein said amplicon comprises SEQ ID NO:1 or SEQ ID NO:2.
12. (Original) The bentgrass plant or seed of claim 11, wherein said amplicon is produced with a DNA primer pair selected from the group consisting of SEQ ID NO:11 and SEQ ID NO:12, and SEQ ID NO:13 and SEQ ID NO:14.
13. (Original) A DNA detection kit specific for the detection of bentgrass event ASR-368 or its progeny genomic DNA in a sample comprising an isolated DNA primer molecule of at least 11 contiguous nucleotides of SEQ ID NO:3 or SEQ ID NO:4, or its complement thereof, wherein said DNA primer molecule when used in a DNA amplification method having bentgrass plant ASR-368 genomic DNA produces an amplicon comprising SEQ ID NO:1 or SEQ ID NO:2.
14. (Original) The DNA detection kit of claim 13 comprising an isolated DNA primer molecule selected from the group consisting of SEQ ID NO:11, SEQ ID NO:12, SEQ ID NO:13 and SEQ ID NO:14.
15. (Original) A DNA detection kit of claim 13, wherein the kit contains a DNA amplification detection method selected from the group consisting of staining, genetic bit analysis, pyrosequencing, fluorescence polarization, Taqman, and molecular beacon.
16. (Original) A method of detecting the presence of DNA corresponding to the bentgrass ASR-368 DNA in a sample, the method comprising:

- (a) extracting a DNA sample from a bentgrass ASR-368 plant or plant part; and
 - (b) contacting the DNA sample with a DNA primer pair; and
 - (c) performing a nucleic acid amplification reaction, thereby producing an amplicon; and
 - (d) detecting the amplicon, wherein said amplicon comprises SEQ ID NO:1 or SEQ ID NO:2.
17. (Original) A method of detecting the presence of a DNA corresponding to bentgrass ASR-368 DNA in a sample, the method comprising:
- (a) extracting a DNA sample from a bentgrass ASR-368 plant or plant part; and
 - (b) contacting the sample comprising DNA with a probe that hybridizes under stringent hybridization conditions with genomic DNA from bentgrass event ASR-368 and does not hybridize under the stringent hybridization conditions with a control bentgrass plant genomic DNA, wherein said probe is homologous or complementary to SEQ ID NO:1 or SEQ ID NO:2; and
 - (c) subjecting the sample and probe to stringent hybridization conditions; and
 - (d) detecting hybridization of the probe to the DNA.
18. (Original) A method of producing a plant that tolerates application of glyphosate herbicide comprising:
- (a) sexually crossing a first glyphosate tolerant bentgrass plant ASR-368 and a second parent bentgrass plant that lacks the tolerance to glyphosate herbicide, thereby producing a plurality of first progeny plants; and
 - (b) selecting a first progeny plant that is tolerant to application of glyphosate; and
 - (c) selfing said first progeny plant, thereby producing a plurality of second progeny plants; and
 - (d) selecting from said second progeny plants, a glyphosate tolerant plant.
19. (Original) The method of claim 18 further comprising the step of backcrossing the first progeny plant that is glyphosate tolerant or the second progeny plant that is glyphosate

tolerant to the second parent plant or a third parent plant, thereby producing a plant that tolerates the application of glyphosate.

20. (Currently amended) A bentgrass plant comprising incorporated in the genome of said bentgrass plant a DNA molecule of a glyphosate tolerant trait that is genetically linked to a complement of a marker polynucleic acid, wherein said marker polynucleic acid molecule is selected from the group consisting of SEQ ID NO:1 and SEQ ID NO:2, wherein said bentgrass plant is glyphosate tolerant.
21. (New) Seed of a bentgrass plant comprising incorporated in the genome of said seed a DNA molecule of SEQ ID NO:1 and SEQ ID NO:2.